

# Oak Knoll Storm Drain Improvements

**Public Meeting, April 3, 2024**

Project ID: 5789.102

# Agenda

- Welcome and Logistics
- Project Team Introductions
- Commonly Used Terms
- Project Purpose
- Construction Info
- Questions and Answers



# Watershed Protection

Protects lives, property and the environment of our community by reducing the impact of flooding, erosion and water pollution.



# Capital Delivery Services

## A City of Austin Department

Capital Delivery Services Department (CDS) plans, designs, builds, inspects, and delivers projects for City of Austin departments on-time and on-budget.



# Project Team

- Project Manager
  - Dario Octaviano, Capital Delivery Services
- Project Inspector
  - Blair Mancini, Capital Delivery Services
- Project Sponsor
  - Hanh Thai PE, Watershed Protection
- Project Engineer/Consultant
  - Laura Casset PE, LAN
- Contractor
  - Bob Schmidt, Santa Clara Construction Ltd.
  - John Michael Heyl, Santa Clara Construction Ltd.



# Project Purpose

- Reduce flood risk to homes and streets
- Reduce stress on downstream storm drainage systems

**Oak Knoll Flood Risk Reduction Project**



# Localized Flooding

Occurs away from creeks.



# Creek Flooding

Occurs when a creek rises over its banks.



## What is a Storm Drain System?

- System of streets, ditches, pipes and culverts
- Drains rainfall from streets to nearby creek
- Inlets are placed along curb to catch rainfall
- Streets should drain in most storms.



# Components of a Storm Drain System

1. Inlets and curbs capture rainwater.



2. Underground pipes carry the water.



3. Rainwater is released into a creek at the outfall. Sometimes it goes to a water quality or detention pond first.



# What is Stormwater Detention?

- A way to hold water back temporarily from a creek
- Used to reduce flood risk
- Used to prevent storm drain projects from worsening creek flooding
- Usually takes the form of a dry pond



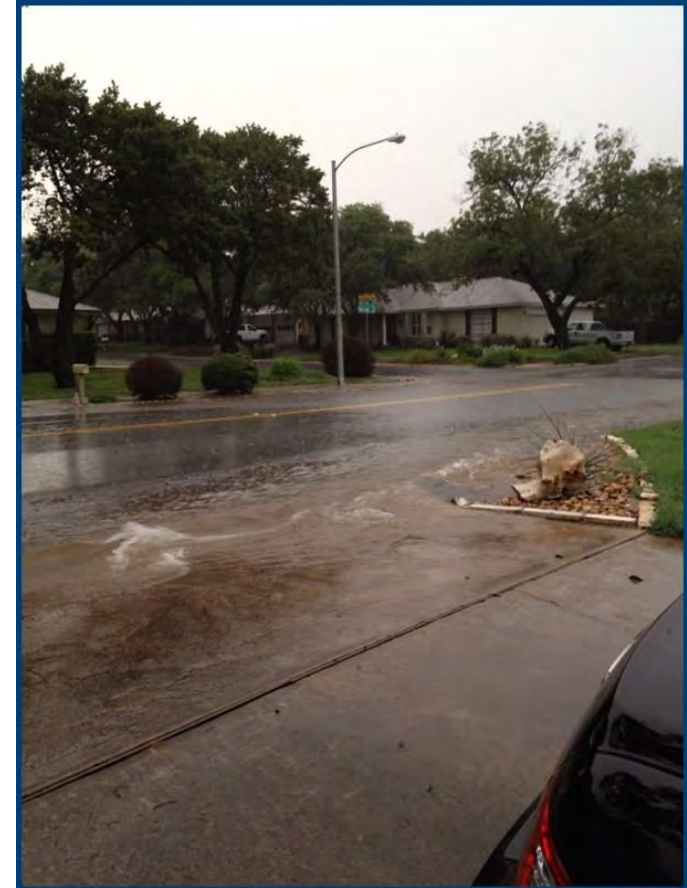
# What is an Easement?

- An easement is a part of a property where the City has limited rights of access and/or use
- Purpose of a drainage easement
  - Needed for the flow of storm water. Example: ditches and creeks
  - Needed to access drainage infrastructure
- Homeowner should maintain easement as grass or flowers

# What is the Right of Way?

- Land dedicated & reserved for streets, utilities, or other public facilities (City of Austin Land Development Code Chapter 30 Article 2)
- Generally includes the street, sidewalk and part of yards
- The extent varies, but is usually located at the first joint of the driveway, or about 10 feet behind the curb
- Street lights and water meters are two examples that are usually in the right of way

# Flooding Photos

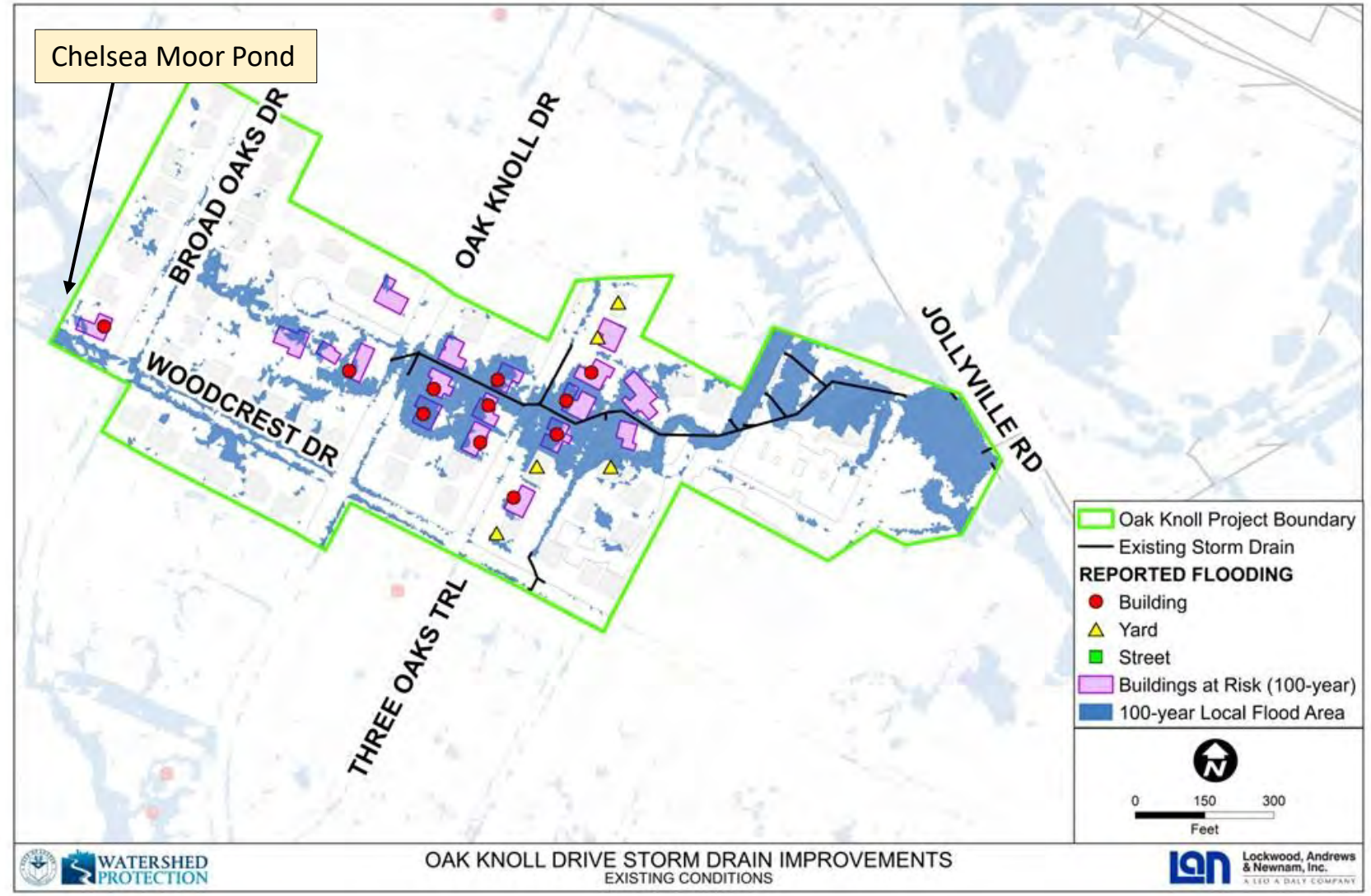


# Predicted Flooding In 100-Year Storm

Areas in blue indicate  
predicted flooding

10.2 inches of rainfall  
over a 24-hour period

21 Buildings at Risk



# Project Overview

- Storm Drain Improvements
  - 5,600 Linear Feet of Storm Drain System (Pipes and Box Culverts)
  - 24 Inlets
  - 49 Manholes
  - Increased Capacity of Chelsea Moor Pond
  - Underground Detention System along Columbia Oaks Drive, Composed of Three Large Pipes
- Water and wastewater line relocations
- Gas line relocations





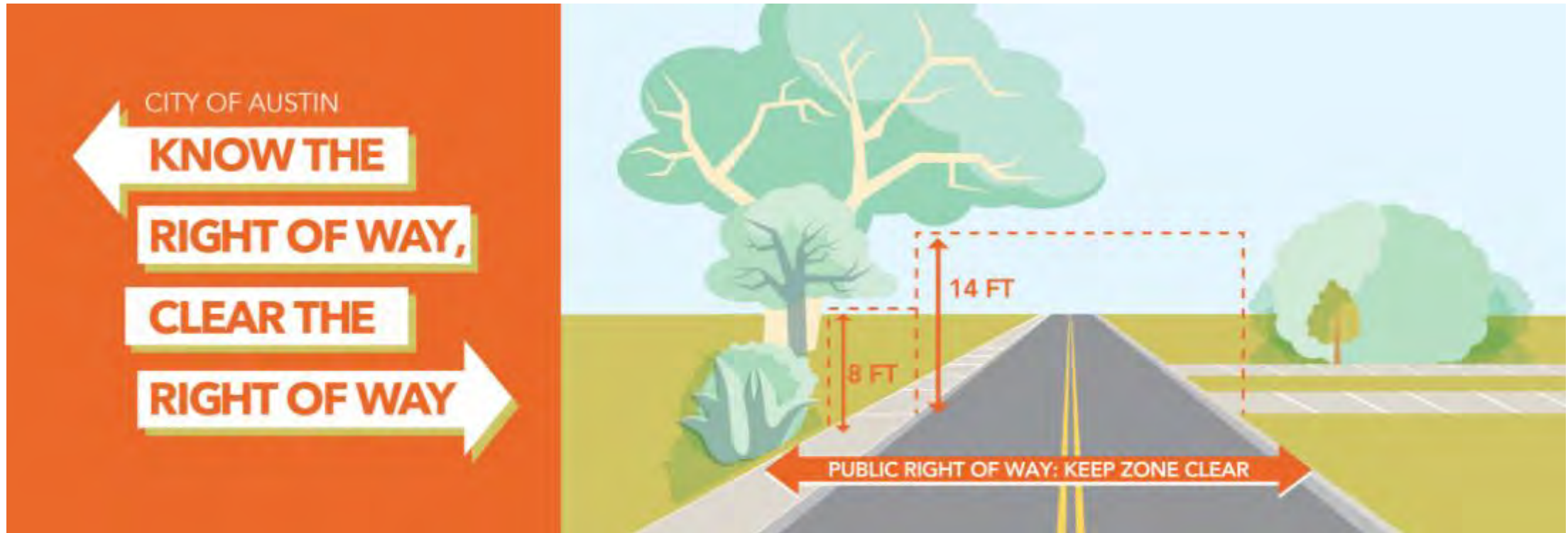


# What to Expect During Construction

- Digging/trenching
- Work in backyard easements
- Temporary utility cut-off
- Driveway access
- Noise
- Traffic lane closures
- Repaving at the end



# What to Expect During Construction



- The contractor may need to do some tree trimming over the Right of Way where trees are hanging lower than 14 feet

# What to Expect During Construction

- Some driveways, mailboxes, sprinklers, and/or landscaping that currently exists in the public right of way may be impacted
- The construction inspector will reach out ahead of construction so there is time to relocate privately owned features in the public right of way that may be impacted





Trenching and Installation of Storm Drain Pipe



Storm Drain Inlets



# General Construction Planning

- Around 2 years to complete
- Construction Phasing
  - Water and wastewater relocations – multiple phases
  - Storm drain inlet and pipe installation – multiple phases
  - Chelsea Moor Pond grading and capacity improvements
  - Underground Detention System construction – multiple phases
- Traffic detours – local access only



# Project Communications

- Occasional updates through email
- Notices left at your door for planned water shut-outs
- Letter notification for inlets
- Questions during construction, contact:
  - **Blair Mancini, Construction Inspector, 737-701-7634**
  - **Mark Diaz, Community Engagement, 512-974-2855, [Mark.Diaz@austintexas.gov](mailto:Mark.Diaz@austintexas.gov)**

# Ground Rules

**Everyone is encouraged to participate!**

## **1. Step up, Step back**

Please be brief and to the point. Let others have an opportunity to speak.

## **2. Mute, Unmute**

When called upon, unmute your microphone. One person speaks at a time. When you finish speaking, please be sure to put yourself back on mute.

## **3. Be Mindful**

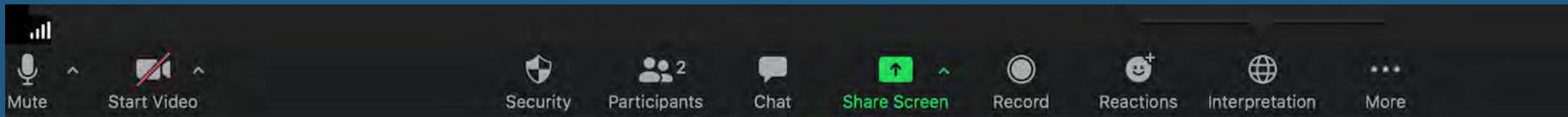
Please be respectful of staff and other attendees. Demeaning, derogatory, disruptive, inflammatory, threatening or vulgar language or actions will not be permitted and may result in attendee(s) being removed from the meeting.



# Question and Answer

## How to Ask Questions

1. Click on Chat to type your question.
2. Click on Reactions to raise your hand.



3. On a phone, click on “More” to access the chat or raise your hand.



Questions?